\_\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2010; month=11; day=29; hr=13; min=19; sec=6; ms=234; ]

\_\_\_\_\_

## Validated By CRFValidator v 1.0.3

Application No: 10574314 Version No: 1.0

Input Set:

Output Set:

**Started:** 2010-11-18 18:45:13.264 **Finished:** 2010-11-18 18:45:13.883

**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 619 ms

Total Warnings: 8

Total Errors: 0
No. of SeqIDs Defined: 8

Actual SeqID Count: 8

| Error code |     | Error Description |    |         |       |    |       |    |     |    |     |
|------------|-----|-------------------|----|---------|-------|----|-------|----|-----|----|-----|
| W          | 213 | Artificial        | or | Unknown | found | in | <213> | in | SEQ | ID | (1) |
| W          | 213 | Artificial        | or | Unknown | found | in | <213> | in | SEQ | ID | (2) |
| W          | 213 | Artificial        | or | Unknown | found | in | <213> | in | SEQ | ID | (3) |
| W          | 213 | Artificial        | or | Unknown | found | in | <213> | in | SEQ | ID | (4) |
| W          | 213 | Artificial        | or | Unknown | found | in | <213> | in | SEQ | ID | (5) |
| W          | 213 | Artificial        | or | Unknown | found | in | <213> | in | SEQ | ID | (6) |
| W          | 213 | Artificial        | or | Unknown | found | in | <213> | in | SEQ | ID | (7) |
| W          | 213 | Artificial        | or | Unknown | found | in | <213> | in | SEO | ID | (8) |

## SEQUENCE LISTING

```
<110> Harding, Fiona A.
<120> CD4+ EPITOPES OF BONE MORPHOGENETIC
 PROTEINS
<130> GC818-US
<140> 10574314
<141> 2010-11-18
<150> PCT/US2004/034679
<151> 2004-10-21
<150> US 60/517,035
<151> 2003-11-03
<160> 8
<170> FastSEQ for Windows Version 4.0
<210> 1
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> BMP-7 epitope
<400> 1
Arg Ser Gln Asn Arg Ser Lys Thr Pro Lys Asn Gln Glu Ala Leu
                                    10
<210> 2
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> BMP-7 epitope
<400> 2
Glu Ala Leu Arg Met Ala Asn Val Ala Glu Asn Ser Ser Ser Asp
                 5
                                    10
1
                                                         15
<210> 3
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> BMP-7 epitope
```

<400> 3

```
Arg Met Ala Asn Val Ala Glu Asn Ser Ser Ser Asp Gln Arg Gln
   5
1
                     10
<210> 4
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> BMP-7 epitope
<400> 4
Ser Phe Arg Asp Leu Gly Trp Gln Asp Trp Ile Ile Ala Pro Glu
                                  10
<210> 5
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> BMP-7 epitope
<400> 5
Ser Asn Val Ile Leu Lys Lys Tyr Arg Asn Met Val Val Arg Ala
                5
                                 10
<210> 6
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> BMP-14 epitope
<400> 6
Ser Pro Ile Ser Ile Leu Phe Ile Asp Ser Ala Asn Asn Val Val
                5
                            10
<210> 7
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> BMP-14 epitope
<400> 7
Pro Leu Arg Ser His Leu Glu Pro Thr Asn His Ala Val Ile Gln
                                  10
                                                      15
<210> 8
<211> 15
<212> PRT
<213> Artificial Sequence
```

<223> BMP-14 epitope

<400> 8

Ser His Leu Glu Pro Thr Asn His Ala Val Ile Gln Thr Leu Met

1 5 10 15